SEIKO

7X52 GPS SOLAR

QUICK START MANUAL

※ For details, please read the complete user guide.

7 Features

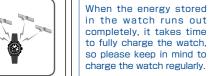
This is a GPS* solar watch.

This watch has the following feature

This watch can be set to the precise local time by just one button operation anywhere in the world

This watch quickly adjusts the time by receiving GPS signals from GPS

This watch responds a total of 39 time zones around the world.



This watch operates by solar charging Expose the dial to light to charge the watch. Once fully charged, the watch runs for approximately

to fully charge the watch, charge the watch regularly.

* GPS is an abbreviation for Global Positioning System



expose to light.

**Unlike navigation equipment, this GPS solar watch is not designed to constantly receive GPS signals from GPS satellites without any operation. This watch receives GPS signals only in the time zone adjustment mode automatic or manual time adjustment mode.

2 Check the charging status

In addition, for the low charging state, the movement of the second hand shows the energy depletion state in further detail

(X) where the reception * GPS radio signal reception requires a lot of energy. Keep in mind to regularly charge the watch by may influence operation

The watch is Charge the watch at least until

unable to receive the indicator hand points to the

unable to receive Continue to charge the watch

and does not at least until the indicator

have energy to hand points to the level

energy depletion able to continuously operate

level position so that the watch

is able to receive GPS signals.

(The position so that the watch is

and receive GPS signals.

Reset the in-flight mode

When the indicator hand

points to "E," charge th

watch following the above.

(x) as long as possible.

	status	Solution	Indicator display	INIOVE
		Reception is	4+7	One- inter move
	F (full)	allowed.	U ON ON	Two seco inter mov
_		Reception is allowed, but	\$ 15 miles	Five- seco inter mov
Level	Level			\vdash

7	F (full) Reception is allowed.			1 4+)	One-second interval movement
				UH ON	Two- second interval movement
7		OST	Five- second interval		
		Reception is			movement

			ST SEF	Ī
4+7		Reception is	7	
•	Level position (middle)	allowed, but keep in mind to charge	4+7	
E		the watch.	LL ON	

The indicator hand position shows whether this watch is able or unable to receive GPS signals In-flight mode (¾)
■ Set to the in-flight mode (¾)

> (3 sec) within approximately 5 sec after operation of other electronics devices in an airplane, etc In the in-flight mode (*X) result (Y or N), and the the GPS signal reception (time zone adjustmen to the type of reception manual time adjustment

and automatic time

work.

adjustment) does not

< In-flight mode (*x)>

* When the in-flight

mode (*) is reset, the

indicator hand indicate

the charging status

The indicator hand points

*When 5 seconds or longer have elapsed after operation of (1), the watch automatically returns to

(x) is brought about, the

indicator hand points to

→ even after the watch

has returned to the time

→Manual time zone setting

(To set the watch to the

local time of the destination

in an airplane, etc.)

(3 sec), and when the seco hand has stopped, release The second hand moves

set time zone



If the time for pressing it

When the hour and minute hands stop



moving, press Buttor

the date, the buttons and crown cannot be operated.

with good visibility where GPS signals can be easily received.

*While the indicator hand points to "E" or X reception is not started even with

Precautions on time zone adiustmen

How to adjust the time zone

When the hand points to "E charge the watch by expose *To cancel the When the hand points to X

and then release it when the secon

hand moves to the 30-sec position

When the second hand 4 points to "Y" or "N," Direct the watch face reception is complet

difficult to receive GPS signals 3 sec after pressing Button while you are in motion.

When the second hand ha lepends on the receiving co

Time Zone Adjustment (When the region or time zone where the watch is used is changed)

n some areas the boundaries observed by the watch may not exactly correlate to the actual time zone markers or

time zone boundaries, make sure to check the time zone setting, and manually set the time zone as necessar

The second hand indicates ease

satellites from which GPS signals

the date, the buttons

displayed for 5 seconds

and date are adjusted.

Then, the hour and minute

(DST) is not automatically set. Carry out the setting

Set Daylight Saving Time (DST)

Davlight Saving Time (DST)

Depending on the area, Daylight Saving Time (DST) is individually set.

Davlight Saving Time means summer time, which is a system to lengther

daylight time by advancing 1 hour when daylight time is long in summer. Daylight saving time has been adopted in about 80 countries, mainly in Europe and North America. The adoption and duration of daylight saving time vary depending on the country.

* Daylight Saving Time is subject to change owing to circumstances of the country or region.

■ Turn ON Daylight Saving Time (DST)

 ₩ON/OFF of the DST is not automatically changed over even with operation of time zone adjustment/manual time zone setting. When traveling to a region where Daylight Saving Time (DST) is not adopted from a region where it is adopted, turn off the DST setting

Press Button A

<When DST setting is OFF>

*During movement of

*The time at which the watch returns to the time display

mode varies depending on the position of the indicator hand *The watch returns to the

When the hour and minute hands stop moving

3 the DST setting mode is automatic

5 sec after the hour and minute hands stop moving

Turn OFF Daylight Saving Time (DST)

Carry out operation of ① to ③ in the state where Daylight Saving Time (DST)

In operation of ②, adjust the indicator hand to the "OFF" position as shown in the figure at the right. The hour and minute hands return by one hour



3 In-flight mode (\nearrow) (When boarding)

■ Reset the in-flight mode(*x)

2), when the indicator hand points

to "

ON" in the figure at the right.

the in-flight mode (>>) can be reset

Carry out operation of (1) to (3).

Manual time zone setting

In places where the time zone cannot be adjusted, the time zone can be set manually

Manual time zone setting (To set the watch to the local time of the destination in an airplane, etc.)

* Refer to "Set Daylight Saving Time (DST)," to set Daylight Saving Time (DST)

How to manually set the time zone

Press Button B or Button C to adjust the second

once, the second hand Displays ON/OFF setting moves to the next zone.



The second hand starts

*During movement of



(DST) is not correct change over ON/OF with reference to "Set Daylight Saving Time (DST)" after operation

short, the watch will enter

operation for checking the time zone setting, so make certain to press the

button for 3 sec.

*If the second hand is stopped for one minute or longer, the watch will automatically return to the time display mode

Manual time adjustment (To set only the time)

Manual time adjustment



The watch can be set to the precise current time of the currently set time zone (The time zone is not changed.)

How to manually adjust the time

$oldsymbol{2}$ and then release it when the secon

When the second hand reached the O-sec position

outdoors under an open sky wit good visibility

"E" or X, reception is not started

When the hand points to "E charge the watch by expose When the hand points to X, re

the in-flight mode(≯)

even with operation for reception

When the second hand 4 points to "Y" or "N." Direct the watch face upward and wait

The indicator hand points to

from which GPS signals are received *To acquire only time information. the number of satellites necessary for reception is one.

Check that the reception is State

*To cancel the

It takes up to 1 mir

1 Unlock the crown hands move, and the time Unlock the crown and date are adjusted.

Reception Y: N: result display Successful Faile



returns to the time display locked When the time is not correct even if "Y" is displayed, the time zone may not correspond to the region where you are. Check the time zone setting

\mathbf{R} How to set the sub-dial

How to set the sub-dial

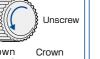
- zone of the dial is sub-dial. changed, the time of the sub-dial is not (Hands on the main-dial keep moving.)

The sub-dial moves independently from the

displayed for 5 seconds.

Turn the crown





2 Pull out the crown to 2 the first click 3 Press Button B or Button C

The watch enters the







button IIP is kept

for 2 seconds or longer the sub-dial hour/minute hands will start to move it is pressed again, they stop moving.

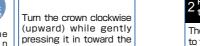
*Lock the crown

watch body until it stops.

pressed While pressing the

Operation has been

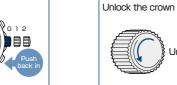




to the 13-second position



4 Push the crown back in



the second click



· When using the watch again under a condition in which the watch is able to receive GPS signals, receive GPS signals to set the time.





When adjusting the time, the date will be accordingly adjusted.



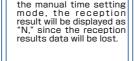
9 How to manually set the time

How to manually set the time

Pull out the crown

The second hand moves

*When the watch enters



* If the watch receives GPS signals after manual time setting, it displays the received time

Press Button <u>B</u>ol ⁴ Button C to set the time

The second hand moves to

The watch enters the manual time setting mode.

** Even if GPS signals cannot be received, the watch can be used with the same accuracy as a normal quartz watch, (at loss/gain ± 15 seconds per month on average)

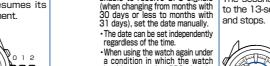


*Lock the crown. *The hands will not move by turning the crown. While pressing the

0:00 AM (12:00 PM). consideration AM or PM.

may cause the preliminary position of this watch misaligned 5 simultaneously with time signal)

The watch resumes its normal movement.



- is able to receive GPS signals, receive GPS signals to set the
- → 5 How to adjust the time zone. when the watch has successfully received GPS signals, the

How to manually set the date

date, indicator hand and hour/



2 Pull out the crown to the second click

Please refrain from doing this operation except where GPS signals cannot be received because to





 $m{10}$ How to manually set the date

Precautions on the setting the date manually

preliminary position of the date may be misaligned.

→BASIC MANUAL [Adjust the preliminary positions of the



1 Unlock the crown Unlock the crown

2 Press Button B or Button C 4. Push the crown back it 3 to set the date

Operation has been

While pressing the





- *When the watch enters the manual time setting mode, the reception result will be displayed as "N since the reception results data will be lost.
 - *The date will not move by turning the crown.
 - *During movement of the date, the buttons cannot be operated.

1 Instructions for Receiving Leap Second Data on Seiko Astron GPS Solar Watch

Thank you for purchasing a Seiko Astron Watch. This watch enters the "leap second data" receiving mode after the first GPS signal is received on or after December 1st and June 1st.

It is conducted every six months whether the leap second data is put into effect or not. This process occurs automatically so no special operation is required from the user. The process of receiving the leap second data takes longer than the regular time adjustment. Be sure to complete receiving the leap second data in an environment where a GPS signal can be received, such as outdoors. watch can be set to the precise current time and calendar by automatically receiving GPS signals.

The process of receiving leap second data

Although this movement is different from the normal time display, it is not an indication that the watch is defective.



The second hand begins moving counter-clockwise an displays the countdown in minutes until leap second data it

reception of the leap second data beging. When reception good, the second hand moves to the 1 o'clock position and th watch acquires the data (within approximately, one minute). If the reception was successful, the second hand points to the Y position indicating successful data transfer.

*When the second hand points to the one-second position, it is indicating that one minute is required before the watch begins receiving the leap second data. At this time, it is recommended that you remain in an environment where a GPS signal can be received, such as outdoors.

*Please refrain from button operation while the watch is in the data receiving mode.

The watch will repeatedly enter the "leap second data" receiving mode until the process is successfully completed. During this time, no time adjustment will take place. In the event that the attempt to receive leap second data is unsuccessful, indicated by position N (not successful), it is recommended you move to a place where a GPS signal can be easily received, such as outdoors, and complete the process of receiving time data and then leap second data through a GPS signal by pressing and holding button B for 3 seconds.

For details, please read the Basic Manual (P.18)

About Leap Second

The leap second is to compensate for deviations from the "Universal Time" (UT) which is astronomically determined and the "International Atomic Time" (TAI). 1 second may be added (deleted) once a year or every few years at the end of June or December

SEIKO **ASTRON**